Be Strong.™

# NAUTILUS NV915 LCD Monitor

## Service Manual

**Model: NV915**

P/N: 001-2032 Rev B (08/13/2007)

# Table of Contents


FCC Information ..... 3
Important Safety Precautions ..... 4
Product Specifications ..... 5
Location of Safety Warning Labels ..... 6
Exploded Views and Parts Lists ..... 7
Troubleshooting ..... 13
Replacing Headphone Jack ..... 14
Replacing Keypad ..... 15
Replacing LCD Monitor (M Series Bracket) ..... 17
Replacing LCD Monitor (T Series Bracket) ..... 23
Important Contact Numbers ..... 29

## FCC Information

This equipment has been tested and found to comply with limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment can generate, uses, and radiates radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause unacceptable interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced Radio/TV technician for assistance.

**⚠ ATTENTION**

- **Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.**

# Important Safety Precautions

## IMPORTANT!

**Save these instructions**

**To reduce the risk of fire, electrical shock or other injuries, follow these safety precautions when installing, using and maintaining your NV915 LCD TV Monitor.**

**Read all instructions before using.**

**WARNING** ← **This symbol appearing throughout this manual means: Pay Attention! Be Alert! Your Safety Is Involved!**

### WARNING

- **Always disconnect the power before installing or servicing the equipment.**
- **Disconnect the power cable and signal cable when thunder or lightning is present.**
- **Do not touch the power cord with wet hands. Make sure the electrical connectors are clean and dry before use.**
- **Disconnect the power cord when not in use for extended periods of time.**
- **Do not use if power cord is damaged.**
- **Do not install LCD Monitor close to heating sources.**
- **Do not place heavy articles on, or step on the LCD Monitor.**
- **The product should be installed in a clean and dry place.**
- **If you detect any smoke, unusual noise or smell, disconnect the electric power and contact service.**
- **Avoid contact with liquids or beverages.**
- **Do not use or place any combustible or flammable substances close to the LCD Monitor.**
- **Do not place the power cord close to any heating devices/sources.**
- **Do not apply any twisting forces or excess pressure to the LCD Monitor.**
- **Do not attempt to disassemble, repair or modify the LCD Monitor. If the LCD Monitor needs repair or adjustment, refer servicing to qualified service personnel.**
- **When cleaning, do not directly spray with water or use flammable substances.**
- **Do not allow liquids to penetrate the LCD Monitor.**
- **When cleaning the LCD Monitor, disconnect the power and use a clean soft cloth. Never use a wet cloth.**

### ATTENTION

- **Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.**

# NV915 Product Specifications

## NV915 LCD TV Monitor

Gross Weight: 12.5 lbs/ 5.7 kg
Net Weight: 9.5 lb/ 4.3 kg
Product Dimensions: 49cm (L) x 17cm (W) x 43cm (H)
19.3" (L) x 6.7" (W) x 16.9" (H)

## Power Requirements:

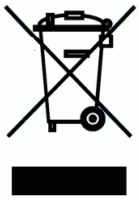
Adaptor Input: 100-240V AC, 50-60Hz
Adaptor Output" DC 12V, 3.33A

Regulatory Information:

**FCC:**
This device complies with Part 15 of the FCC and the Canadian ICES-003 regulations for Class A apparatus. Operations is subject to the following two conditions:
(1). This device may not cause harmful Interferences and
(2). This device must accept any interference received, including interference that may cause undesired operation.

ne LCD TV Monitor NV915-000N Model bears the CSA Mark shown with adjacent ndicators 'C' and 'US'

The LCD TV Monitor with PAL tuner bears the CE Mark and meets all safety and EMC requirements required by the European Union and Australia / New Zealand.



For Customers in the European Union, Do not dispose of this product as refuse. This product is to be recycled. For information on the proper method of disposal contact a Nautilus Customer Service Representative. Contact information is available in the Important Contact Numbers section in this manual.

The LCD TV Monitor with PAL tuner is RoHS compliant.

# Safety Warning Labels

The following safety warnings are located on the NV915 LCD Monitor.
Please read all safety precautions and warning information prior to using your product.

**⚠CAUTION**

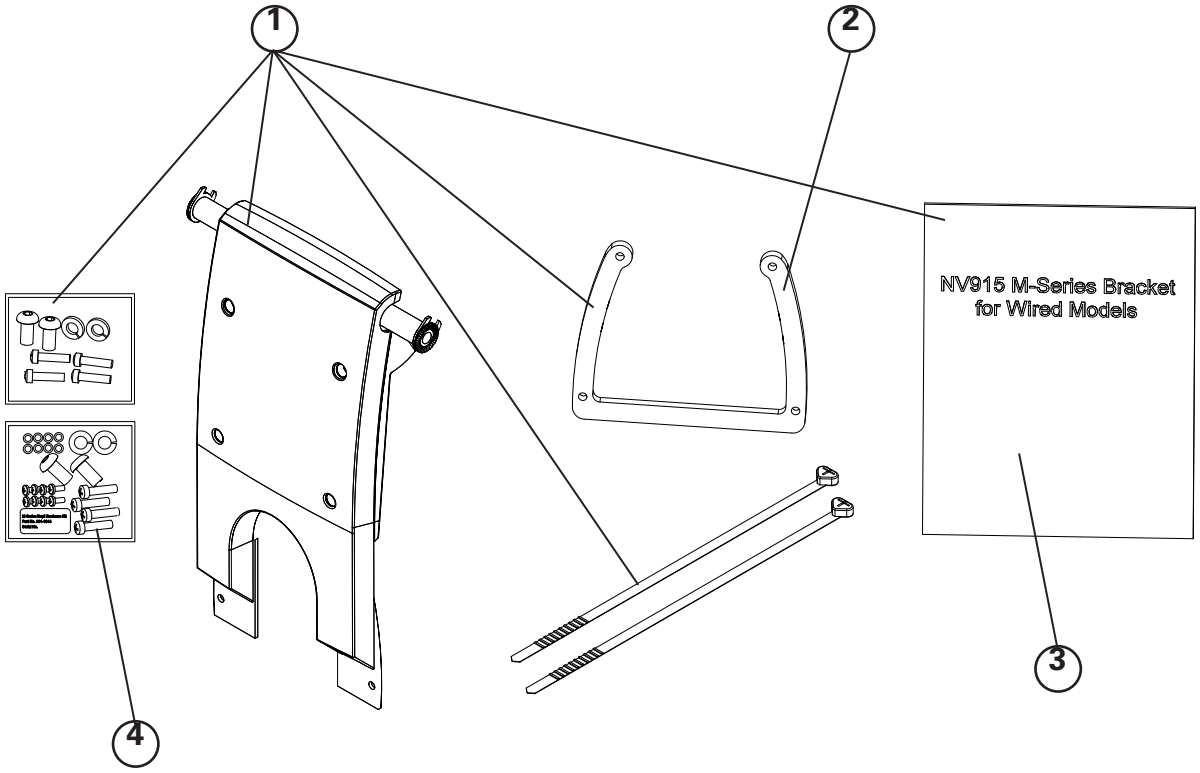
RISK OF ELECTRIC SHOCK
DO NOT OPEN

**⚠ AVIS**

RISQUE DE
CHOC ELECTRIQUE
NE PASS OUVRIR

# Exploded View

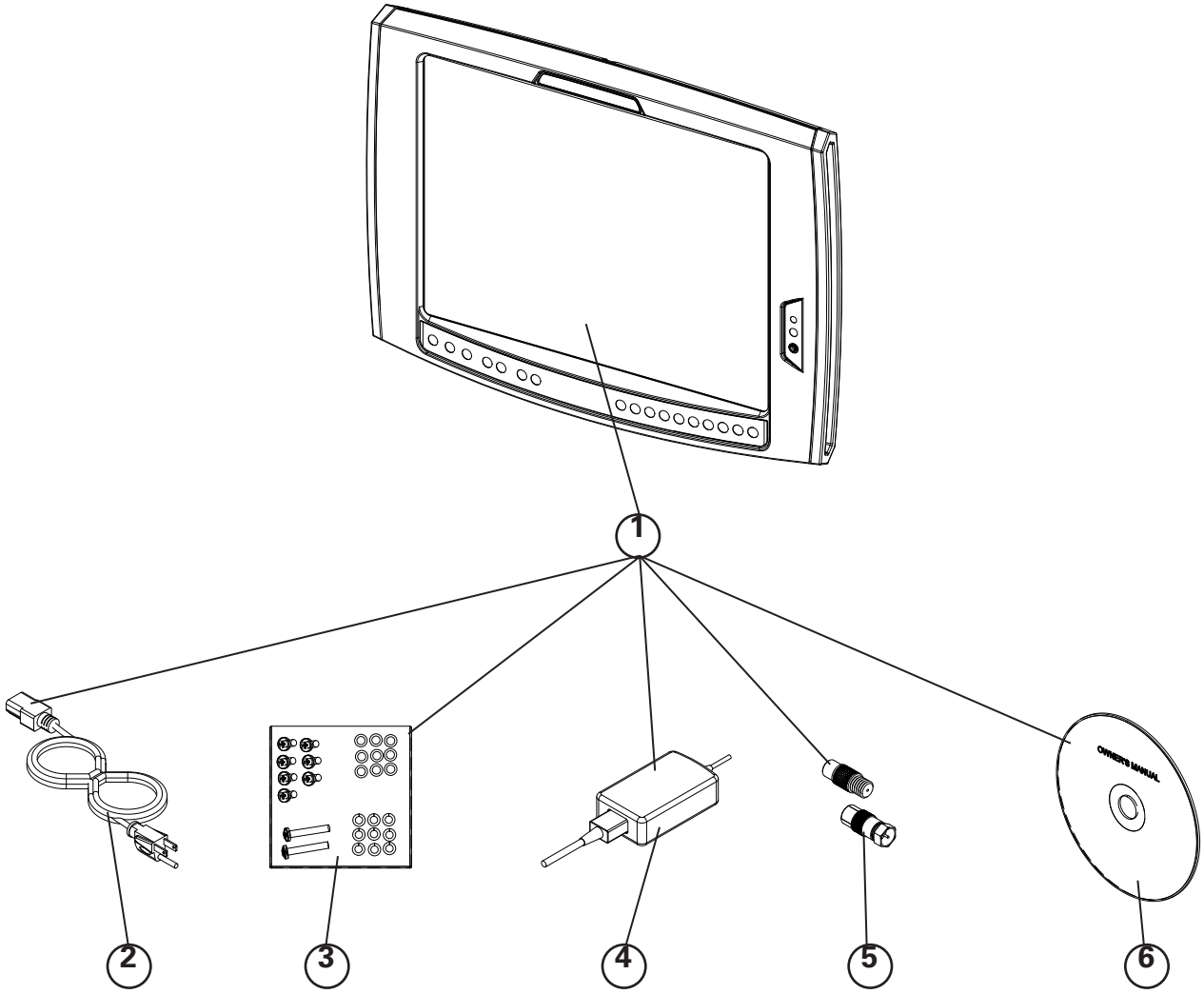
## M Series Bracket Kit




| REF# | PART# | DESCRIPTION |
|---|---|---|
| 1 | 001-1915 | M Series Bracket Kit Complete |
| 2 | 001-1894 | Console Spacer |
| 3 | 001-1959 | M Series Bracket Kit Installation Manual |
| 4 | 001-1944 | M Series Replacement Hardware Kit (Use if replacement Hardware is needed) |

# Exploded View

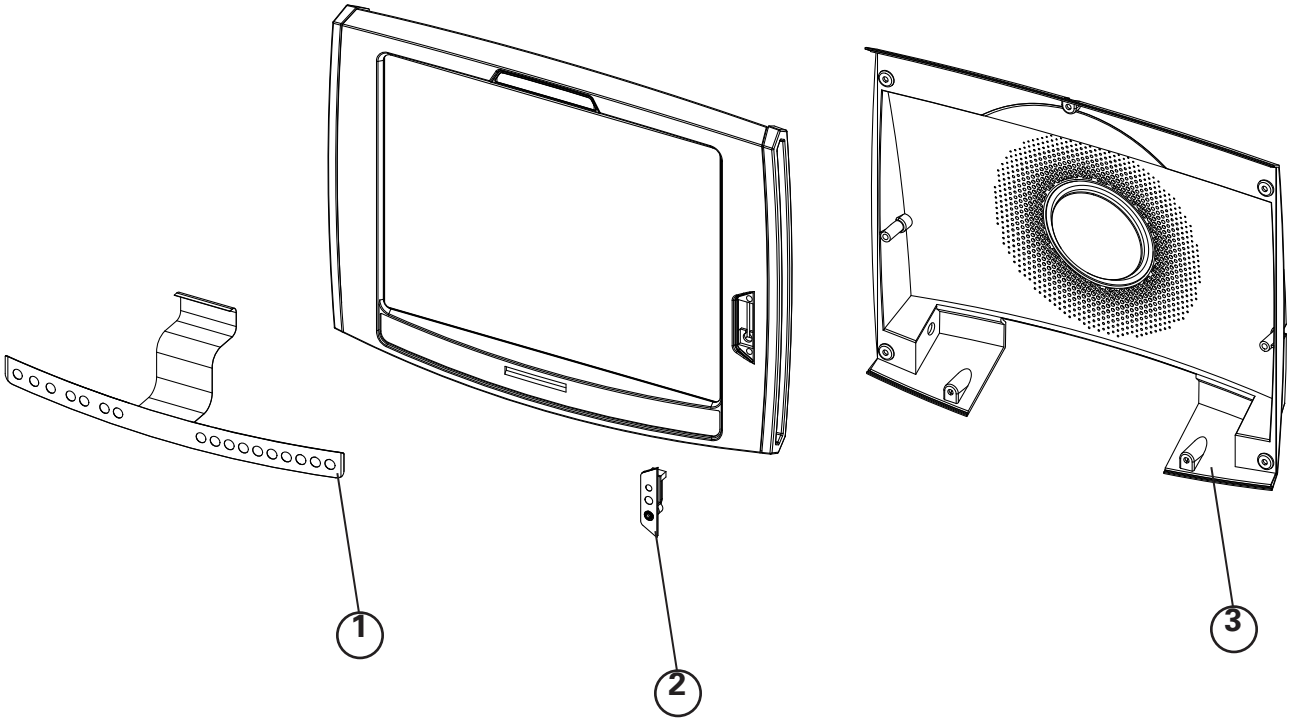
## LCD Monitor Kit




| REF# | PART# | DESCRIPTION |
|---|---|---|
| 1 | 001-1924 | LCD Monitor with Accessories (US) |
| 1 | 001-1992 | LCD Monitor with Accessories (Euro) |
| 1 | 001-2013 | LCD Monitor with Accessories (Australia) |
| 1 | 002-3782 | LCD Monitor, DT with Accessories (Digital) |
| 2 | 001-1922 | Power Cord (US) |
| 2 | 001-2015 | Power Cord (Continental) |
| 2 | 001-2019 | Power Cord (Australia) |
| 2 | 001-2017 | Power Cord (UK/Ireland) |
| 3 | 001-1938 | Hardware Kit |
| 4 | 000-8010 | Power Brick |
| 4 | 002-3787 | LCD, DT Power Brick (Digital) |
| 5 | 001-1995 | European Adapter Kit (Europe/Australia Only) |
| 6 | 001-1923 | Owners Manual (CD ROM) |
| 6 | ~~001-7167~~ | Owners Manual (Digital CD ROM) |

# Exploded View

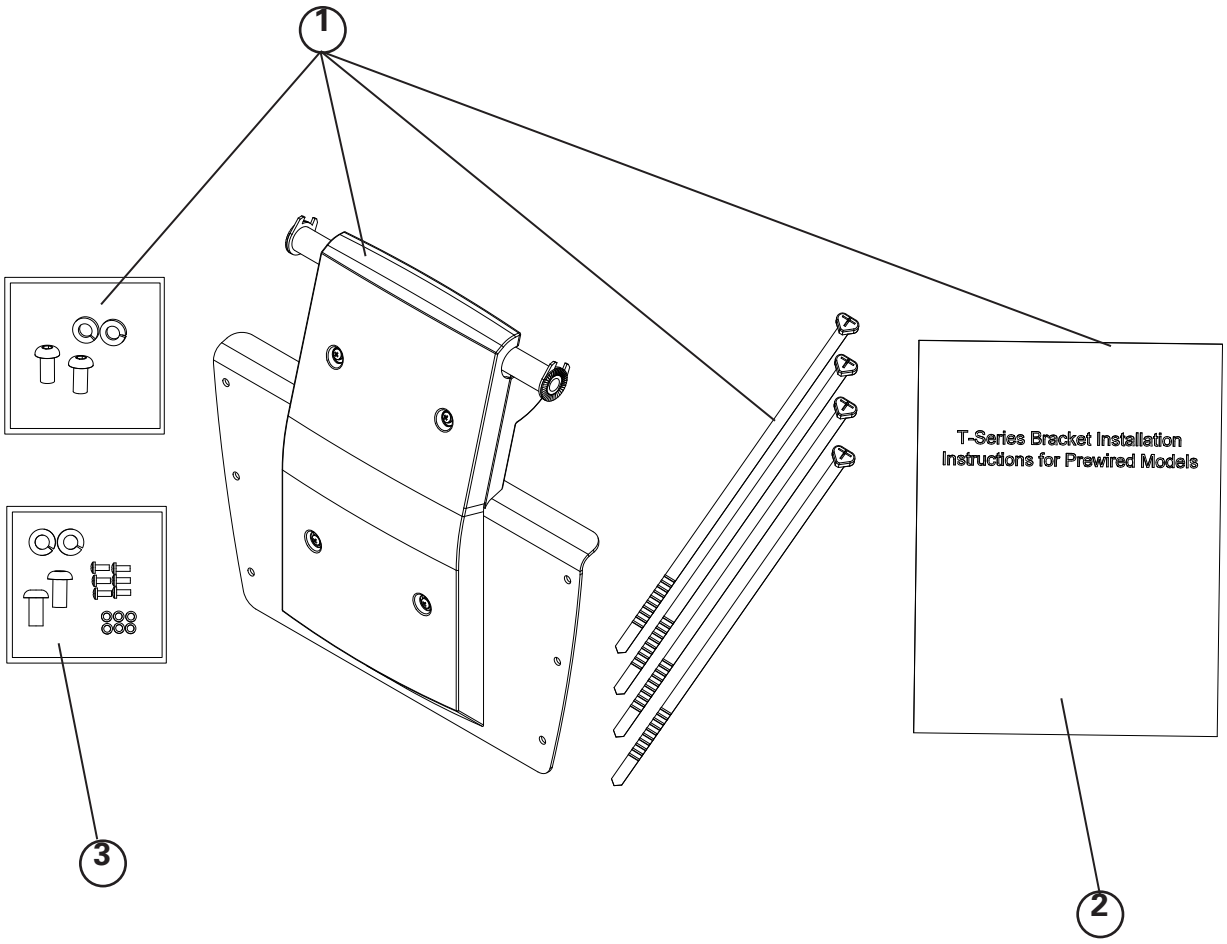
## LCD Monitor Components




| REF# | PART# | DESCRIPTION |
|---|---|---|
| 1 | 001-2033 | Front Keypad |
| 2 | 001-1945 | Earphone Jack |
| 3 | 001-1997 | Back Cover |

# Exploded View

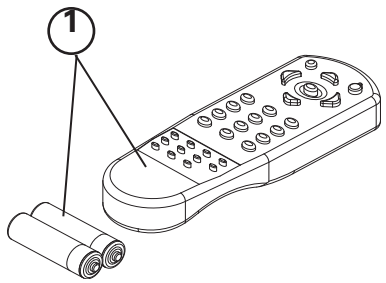
## T Series Bracket Kit



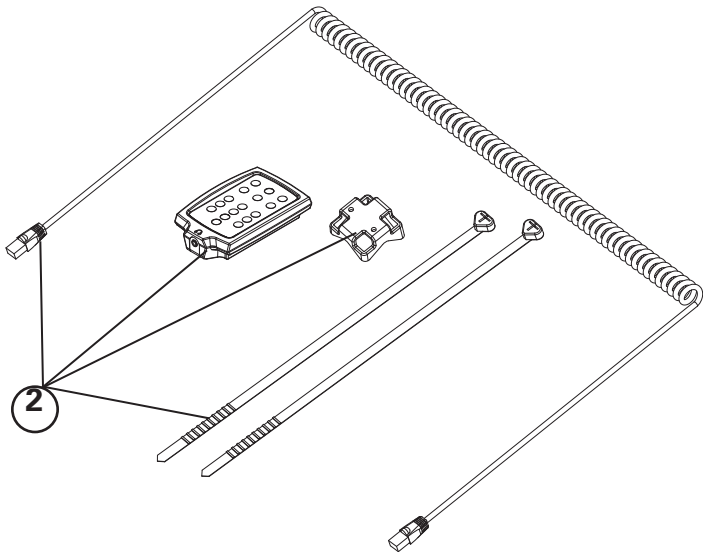

| REF# | PART# | DESCRIPTION |
|---|---|---|
| 1 | 001-1948 | T Series Bracket Kit Complete |
| 2 | 001-1960 | T Series Bracket Kit Installation Manual |
| 3 | 001-1955 | T Series Replacement Hardware Kit (Use if replacement Hardware is needed) |

# Exploded View

## Remote Controls




*Wireless Remote*

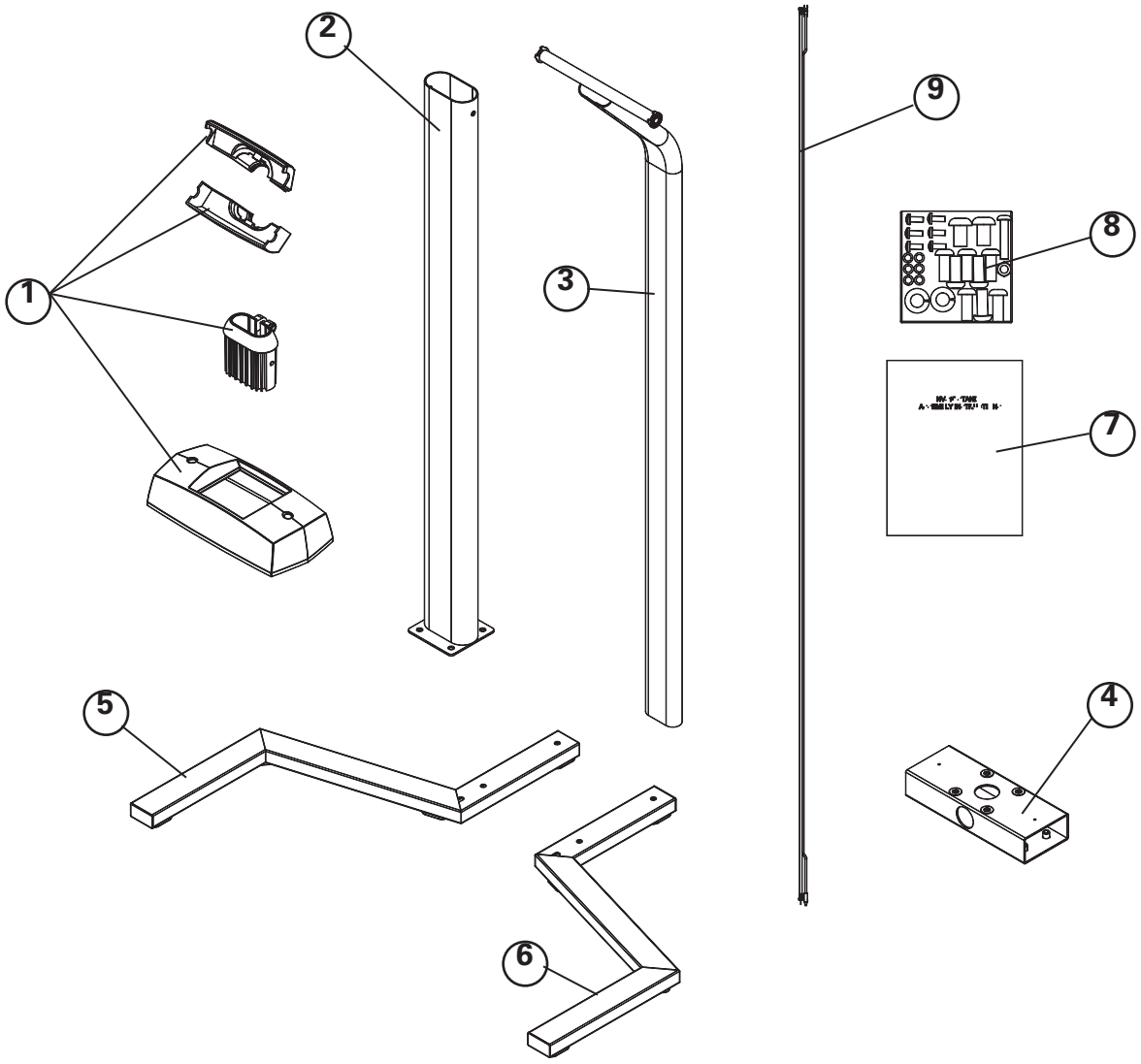



*Wired Remote*

| REF# | PART# | DESCRIPTION |
|---|---|---|
| 1 | 001-1939 | Wireless Remote Kit (US) |
| 1 | 001-2081 | Wireless Remote Kit (International) |
| 1 | 002-3785 | Wireless Remote Kit (US Digital) |
| 2 | 001-2028 | Universal Wired Remote Kit |

# Exploded View

## Free Stand Kit




| REF# | PART# | DESCRIPTION |
|---|---|---|
| 1 | 001-2074 | Stand Shroud Replacement Kit |
| 2 | 001-1934 | Upright Assembly |
| 3 | 001-1851 | Adjustable Mast Assembly |
| 4 | 001-1935 | Base Assembly |
| 5 | 001-2049 | Stabilizer B |
| 6 | 001-2050 | Stabilizer A |
| 7 | 001-2036 | Stand Assembly Instruction Manual |
| 8 | 001-2035 | Stand Hardware Kit |
| 9 | 001-4874 | Stand Wire Harness |

# Troubleshooting

## Poor Sound or Display Quality

- Make sure the Antenna is properly connected to the LCD Monitor, lower connection on the unit and the video source.
- Check the Antenna Cable for damage.

## No Image

- Make sure the Antenna is properly connected to the LCD Monitor, lower connection on the unit and the Video source.
- Check the Antenna Cable for damage.
- Make sure the Power Cord is properly connected to the unit and a wall outlet.
- Press **POWER** button on remote.

## Black Background Only

- Make sure the mode is set to TV and not PC or Video/S-Video when using a coaxial cable input source.

## Interference or Shaky Display

- Other appliances such as hair dyrers, wireless phones, power tools, etc. can cause interferrence.
- Execute the fine tuning adjustment.

## Can't Store a Specific Channel

- Check whether Channel Setting is set to Normal.

## No Sound

- Press the Mute button.
- Press the Volume Up button.
- Replace Headphone Jack

## Remote Doesn't Work

- Try the remote on another LCD Display if available.
- Make sure you have fresh batteries.
- Check or replace the Headphone Jack on the front of the LCD Monitor.

# Replacing Headphone Jack

Over time the Headphone Jack may become worn and fail to function properly.

Replacing Headphone Jack

**Tools Needed:**
Phillips Head Screwdriver

**Parts Needed:**
Headphone Jack Kit Part# 001-1945

**1.** Remove the Decal covering the Headphone Jack. (Figure A)

**2.** Use a Phillps Head Screwdriver to remove the two screws securing the jack (Figure B).

3. Carefully remove the Headphone Jack from the LCD Monitor (Figure C) and disconnect the wires (Figure D).

4. Reverse the procedure to install the jack.

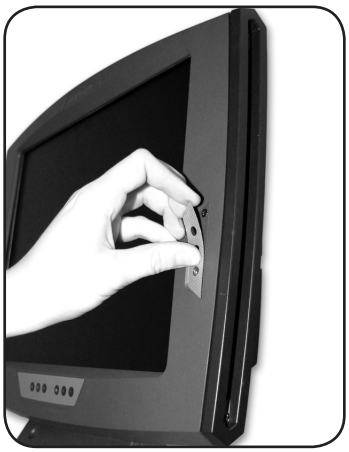


Figure A

Figure B

Figure C

Figure D

# Replacing Keypad

Over time the Keypad may become worn and fail to function properly.

## Replacing Keypad

**Tools Needed:**
Phillips Head Screwdriver

**Parts Needed:**
Keypad Part# 001-2033

**1.** Remove the Back Cover of the LCD Monitor (Figure A).

**2.** Carefully pull the Ribbon Cable out of the connector (Figure B & C).

3. Gently lay the LCD on it's back and peel off the old Keypad (Figure D).

4. Remove the old Keypad from the slot it the plastic (Figure E).

*(Continued on next page)*

Figure A

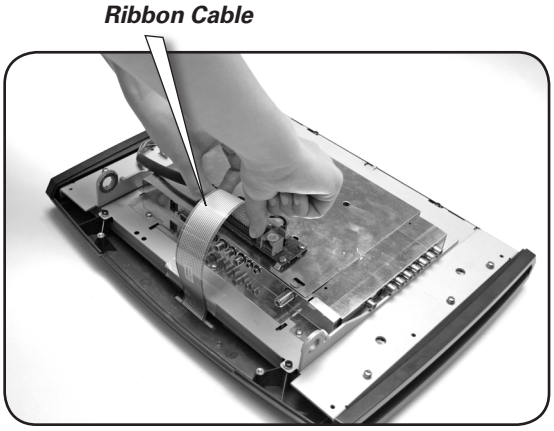



Figure B

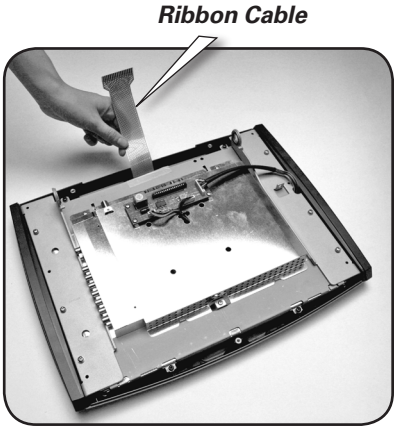



Figure C

Figure D

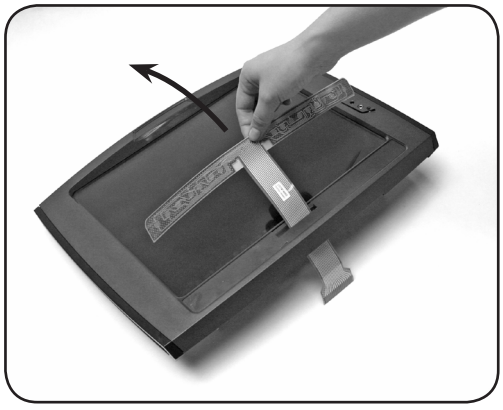


Figure E

## Replacing Keypad (Continued)

**5.** Insert the new Keypad ribbon cable through the slot with the adhesive side toward the bottom of the LCD (Figure F).

**6.** Peel off the Adhesive Backing (Figure G).

7. Position the Keypad on the plastic and firmly press into place (Figure H & I).

8. Turn the LCD over and insert the Ribbon Cable into the connector (Figure J).

9. Replace the Back Cover (Figure K).

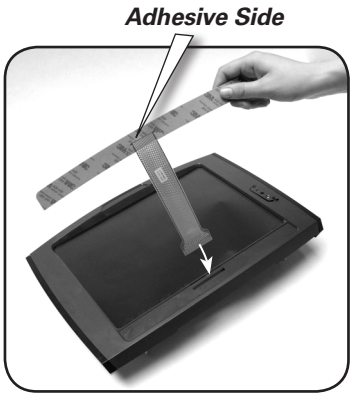


Figure F

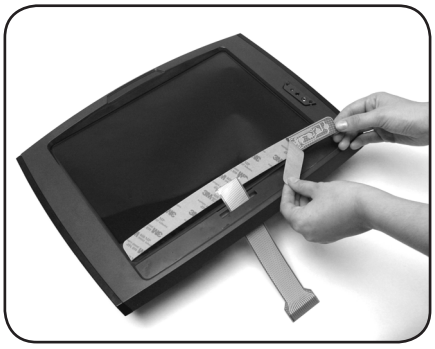


Figure G

Figure H

Figure I

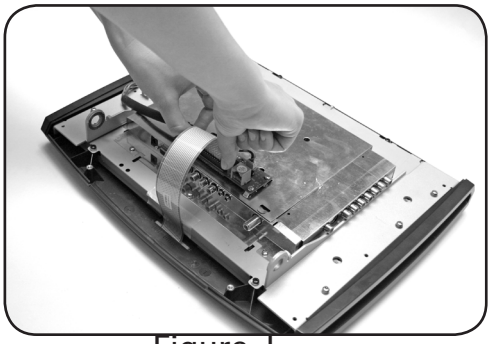


Figure J

Figure K

# Replacing M Series (mast mount) LCD Monitor

**WARNING**

To avoid the risk of electrocution, shock or mechanical injury, before performing this maintenance, ensure that the LCD Monitor is unplugged.

## Step 1 Remove the Back Covers

**Tools Needed:**
Phillips Head Screwdriver

**1-1** Remove the Back Cover of the LCD Monitor (Figure A) and the Bracket (Figure B).

**NOTE:** *Two longer screws used on the raised portion of the LCD Monitor Back cover* (Detail A).

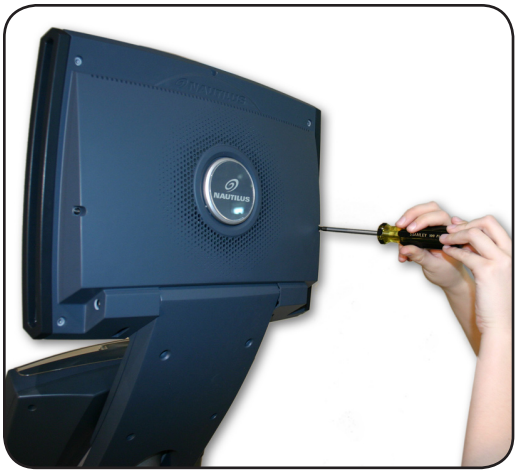


Figure A

**Bracket Back Cover**

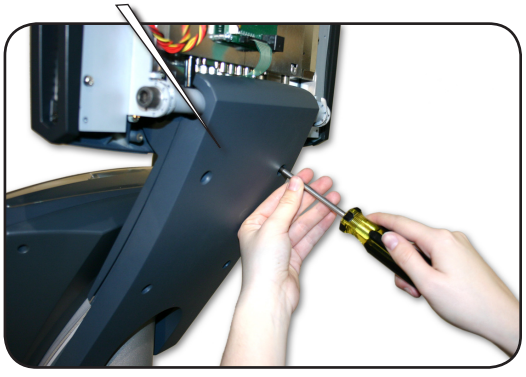
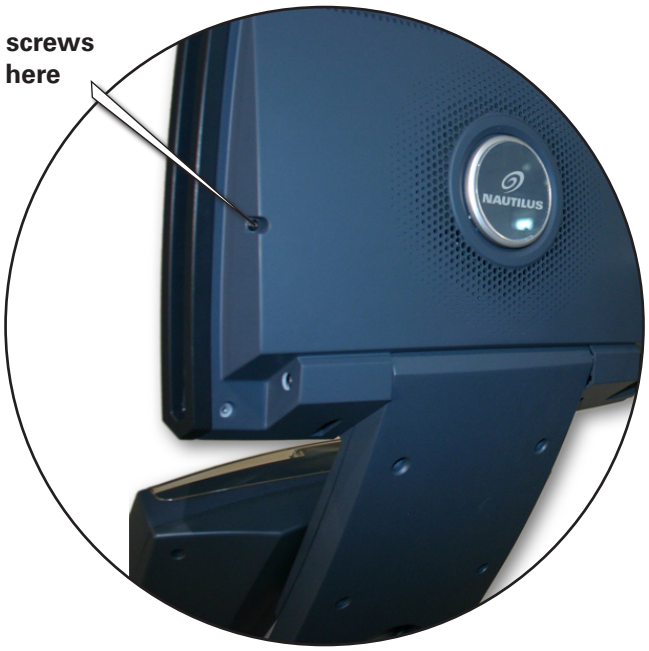


Figure B

**Longer screws used here**

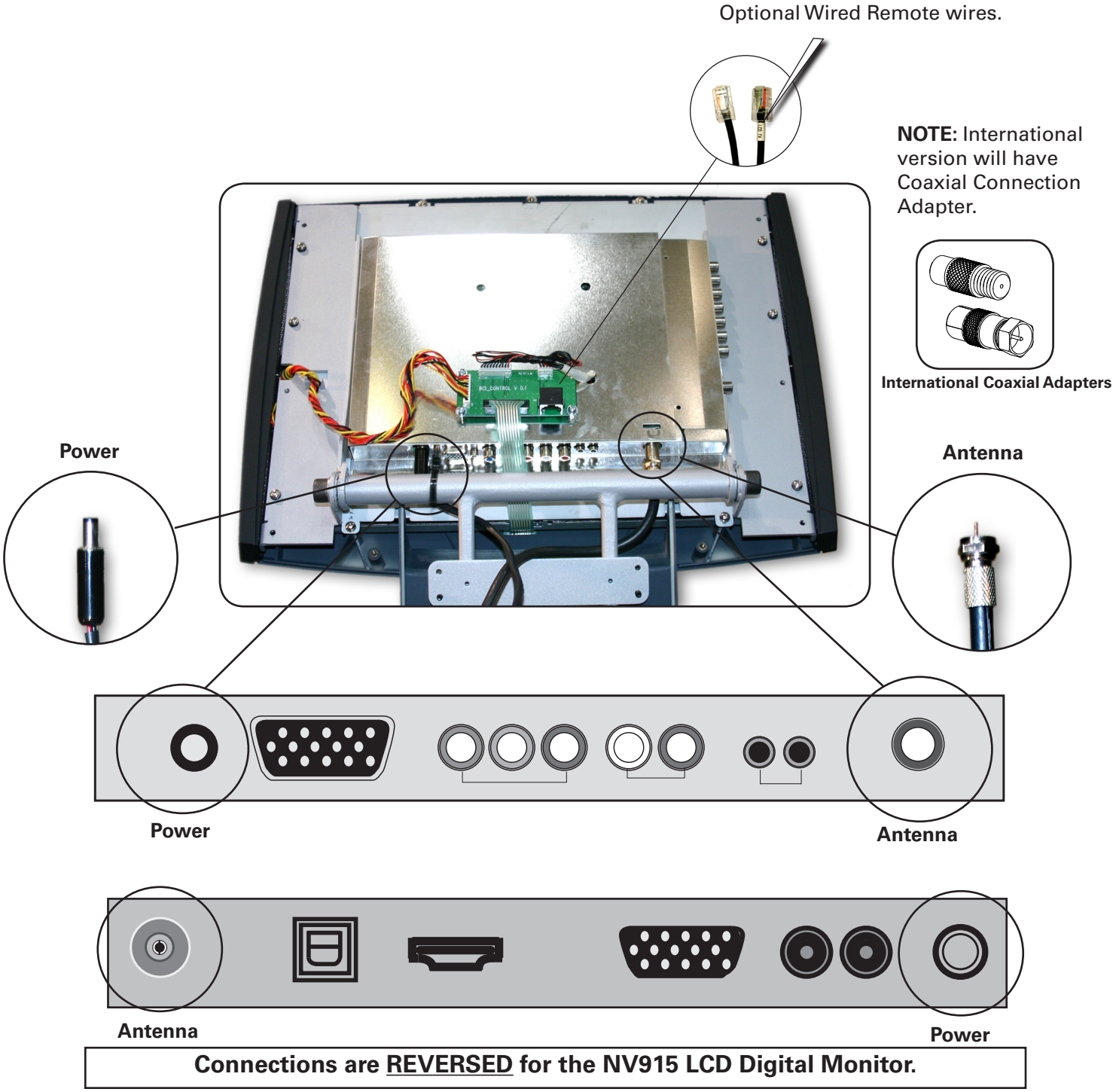


Detail A

# Replacing M Series (mast mount) LCD Monitor (continued)

## Step 2 Disconnect Wires From Monitor

**2-1** Disconnect the Power, Antenna and Remote (if using optional wired remote) wires from the LCD Monitor.




**Connections are REVERSED for the NV915 LCD Digital Monitor.**

# Replacing M Series (mast mount) LCD Monitor (continued)

### Step 3 Remove the LCD Monitor

**Tools Needed:**
6mm Allen wrench

**3-1** Use a 6mm allen wrench to remove the M10 Allen Bolts on each side of the Bracket.

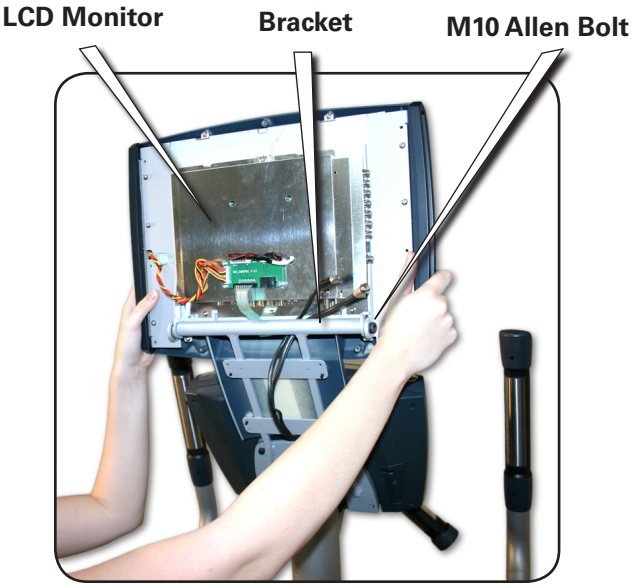



Figure A

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### Step 4 Prepare to install the new LCD Monitor

**Tools Needed:**
Phillips Head Screwdriver

**4-1** Use a Phillips Head Screwdriver to remove the Back Cover of the LCD monitor. (Figure A)

Figure A

# Replacing M Series (mast mount) LCD Monitor (continued)

## Step 5 Attach the LCD Monitor

**Tools Needed:**
6mm Allen wrench

**5-1** Position the LCD Monitor on the Bracket (Figure A) with the Metal Tabs resting between the upright prongs (Detail A).

**5-2** Re-Install the M10 Allen Bolts and Lock Washers.

**5-3** Position the LCD Monitor (Figure B & C).

**Note:** *The Monitor has a 30° range of viewing angles. Position at your discretion* (Figure B & C).

**5-4** Completely tighten the M10 Allen Bolts.

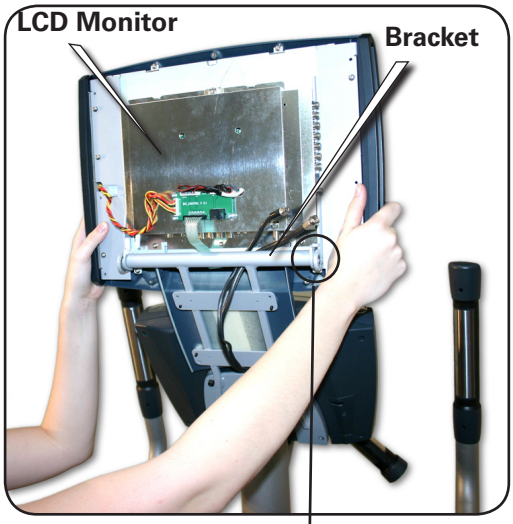
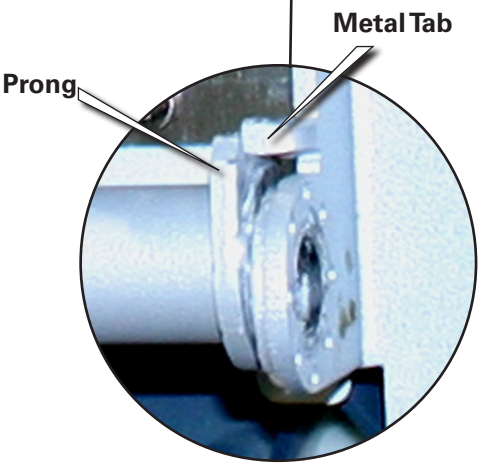



Figure A




Detail A

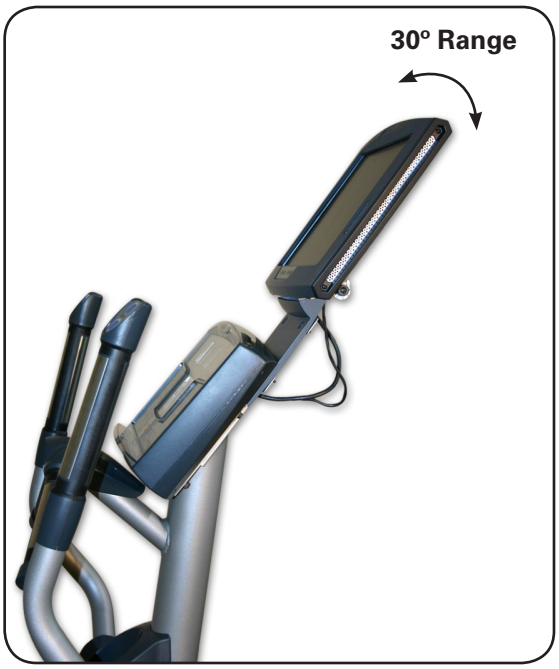



Figure B

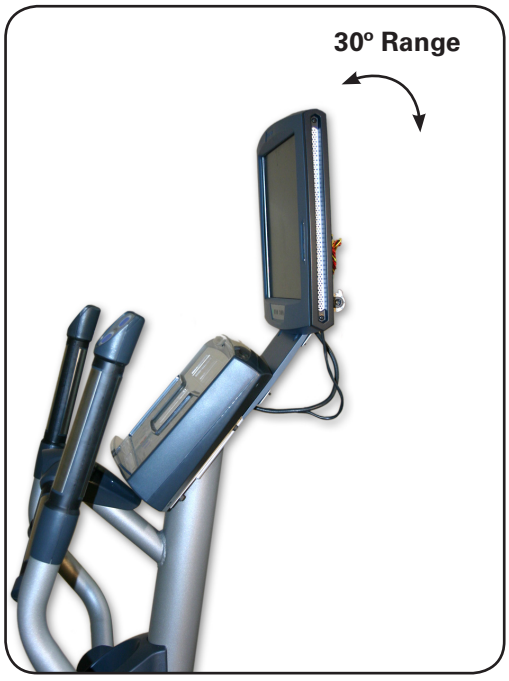



Figure C

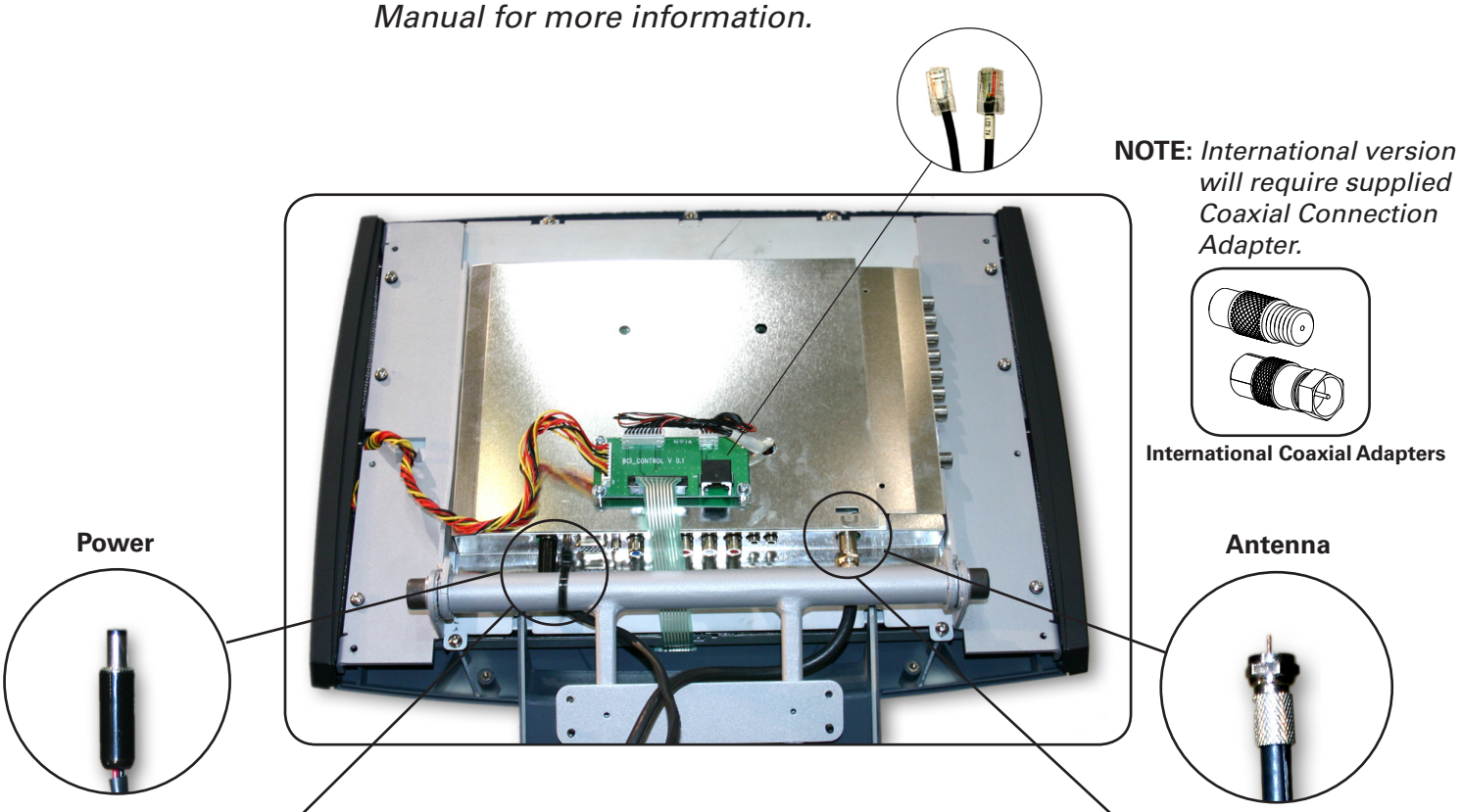
# Replacing M Series (mast mount) LCD Monitor (continued)

## Step 6 Connect Wires to Monitor

The connections shown are for Pre Wired units with Coaxial and power connections only. For alternative configurations please refer to the LCD Monitor owners manual.

**IMPORTANT!** *You must wire tie the Power Wire to the LCD Bracket to avoid accidental disconnection.*

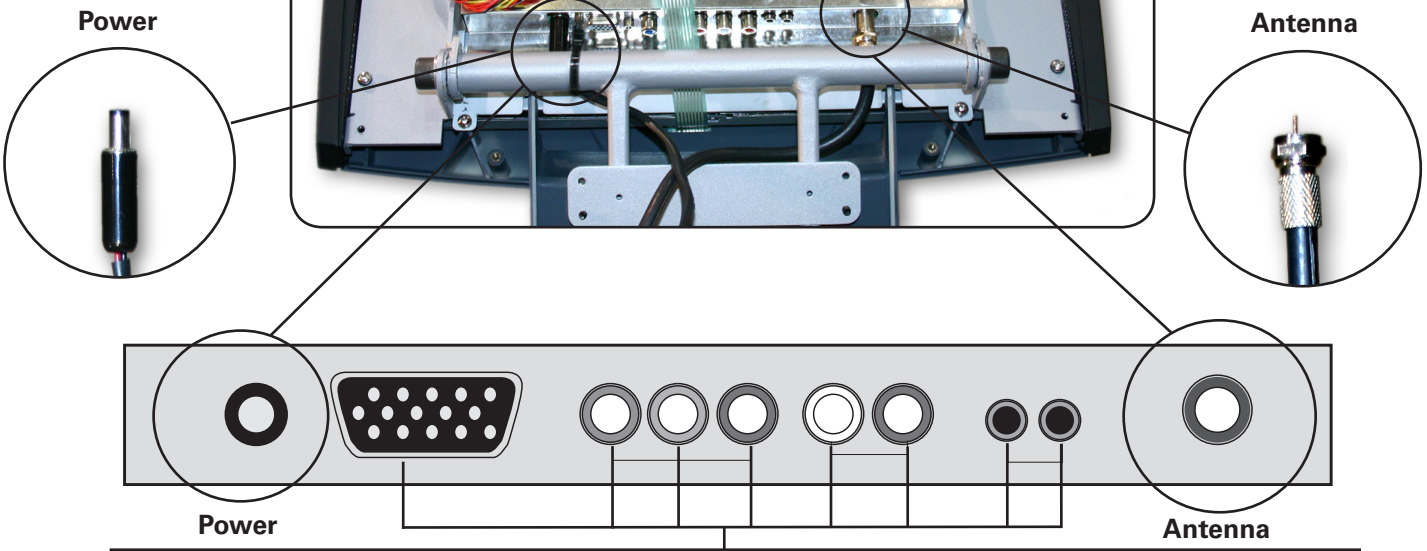
**NOTE:** *If you are using the optional Wired Remote, attach the end labeled LCD TV at this time. Refer to Wired Remote Installation Manual for more information.*



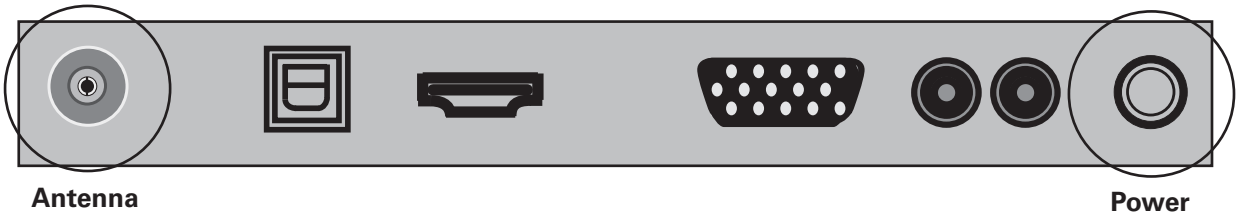
**NOTE:** *International version will require supplied Coaxial Connection Adapter.*



**International Coaxial Adapters**




**These connections are not used in this configuration**
For alternative configurations please refer to the LCD Monitor owners manual.




**Connections are REVERSED for the NV915 LCD Digital Monitor.**

# Replacing M Series (mast mount) LCD Monitor (continued)

## Step 7 Replace the Back Covers

**Tools Needed:**
Phillips Head Screwdriver

**7-1** Replace the Back Cover of the Bracket (Figure A) and the LCD Monitor (Figure B).

**NOTE:** *Use the two longer screws on the raised portion of the LCD Monitor Back cover* (Detail A).

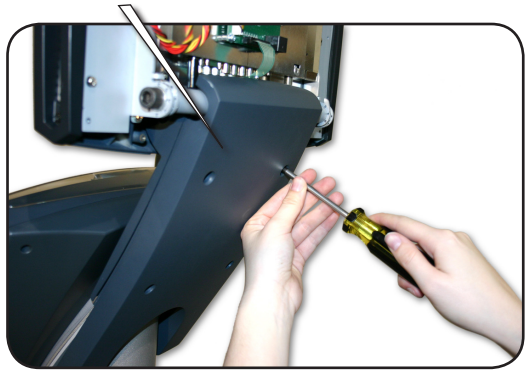



Figure A

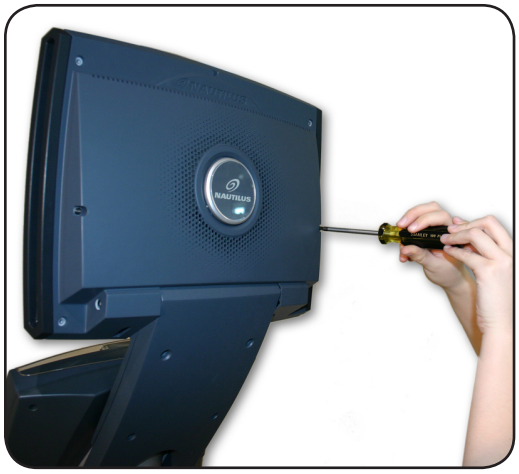
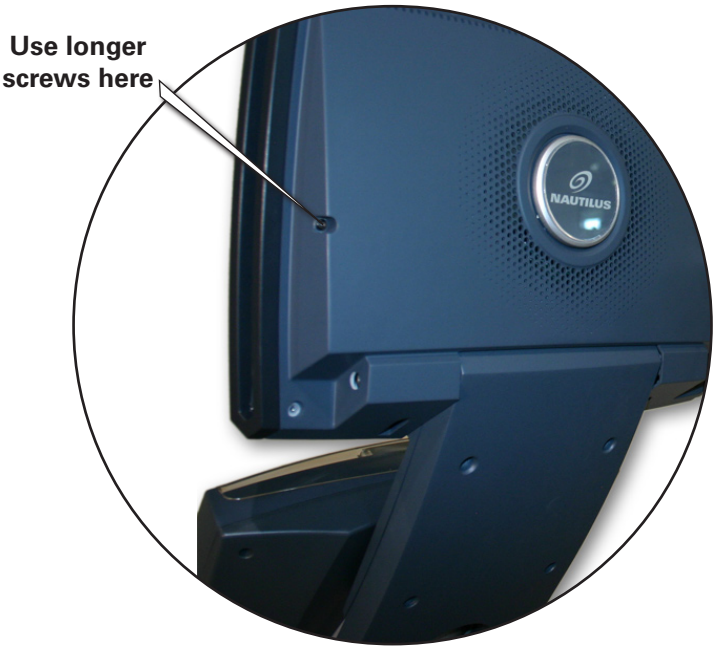


Figure B




Detail A

# Replacing T Series LCD Monitor

**WARNING**

To avoid the risk of electrocution, shock or mechanical injury, before performing this maintenance, ensure that the LCD Monitor is unplugged.

## Step 1 Remove the Back Covers

**Tools Needed:**
Phillips Head Screwdriver

**1-1** Remove the Back Cover of the LCD Monitor (Figure A) and the Bracket (Figure B).

**NOTE:** *Two longer screws used on the raised portion of the LCD Monitor Back cover (Detail A).*

Figure A

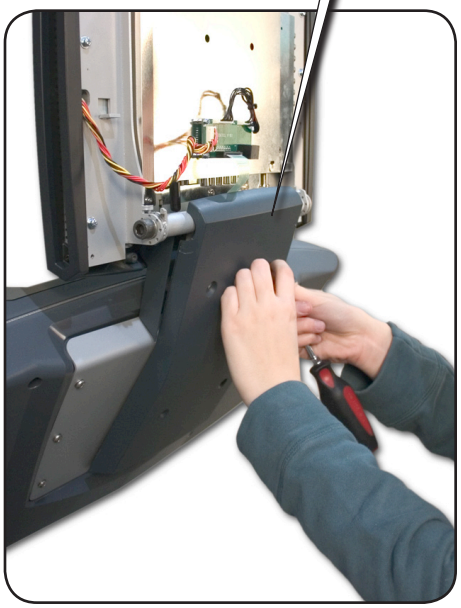
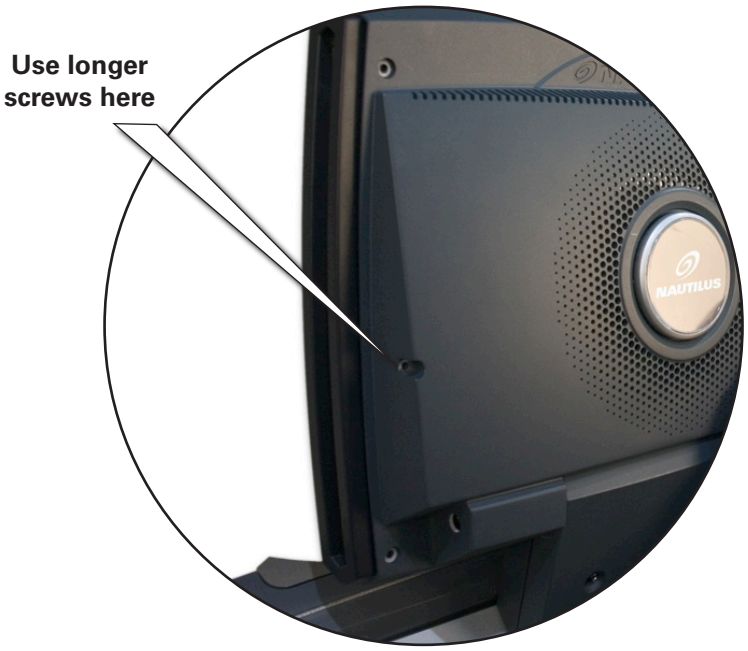



Figure B



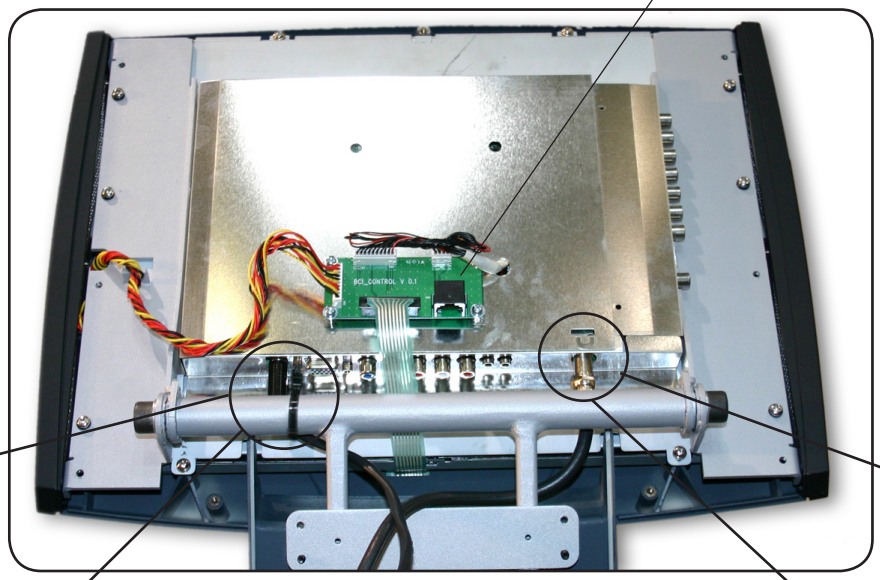

Detail A

# Replacing T Series LCD Monitor (continued)

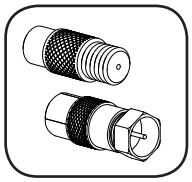
## Step 2 Disconnect Wires From Monitor

**2-1** Disconnect the Power, Antenna and Remote (if using optional wired remote) wires from the LCD Monitor.

Optional Wired Remote wires.



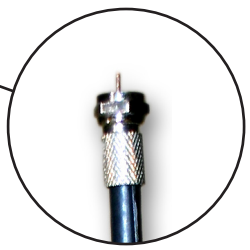
**NOTE:** International version will have Coaxial Connection Adapter.

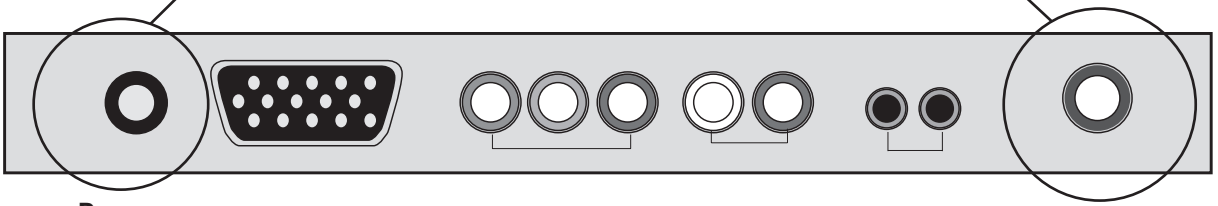


**International Coaxial Adapters**

**Power**

**Antenna**





**Power**

**Antenna**

**Antenna**

**Power**

**Connections are REVERSED for the NV915 LCD Digital Monitor.**

# Replacing T Series LCD Monitor (continued)

## Step 3 Remove the old LCD Monitor

**Tools Needed:**
6mm Allen wrench

**3-1** Use a 6mm allen wrench to remove the M10 Allen Bolts on each side of the Bracket.

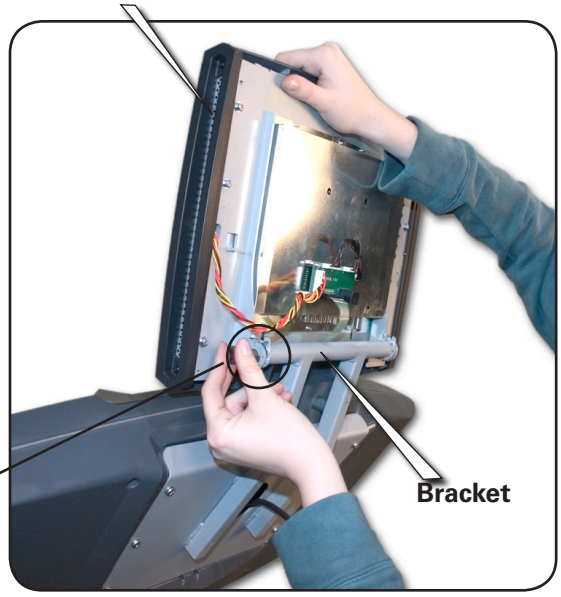
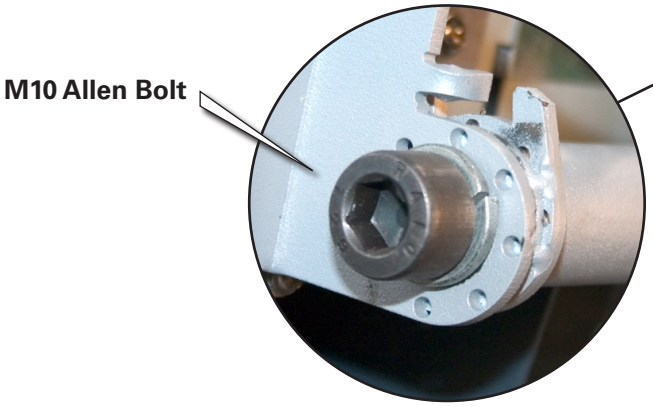



Figure A




Detail A

## Step 4 Prepare to install the new LCD Monitor

**Tools Needed:**
Phillips Head Screwdriver

**4-1** Use a Phillips Head Screwdriver to remove the Back Cover of the LCD monitor. (Figure A)

Figure A

# Replacing T Series LCD Monitor (continued)

## Step 5 Attach the LCD Monitor

**Tools Needed:**
6mm Allen wrench

**5-1** Position the LCD Monitor on the Bracket (Figure A) with the Metal Tabs resting between the upright prongs (Detail A).

**5-2** Re-Install the M10 Allen Bolts and Lock washers.

**5-3** Position the LCD Monitor (Figure B & C).

**Note:** *The Monitor has a 30° range of viewing angles. Position at your discretion (Figure B & C).*

**5-4** Completely tighten the M10 Allen Bolts.

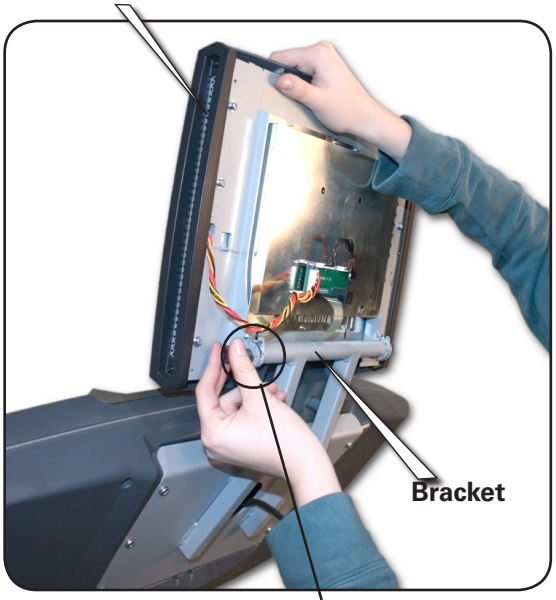
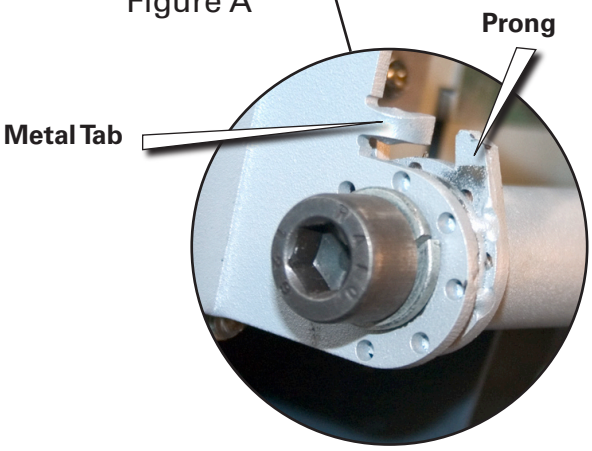


Figure A



Detail A

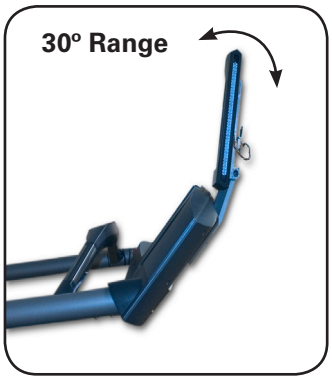


Figure B

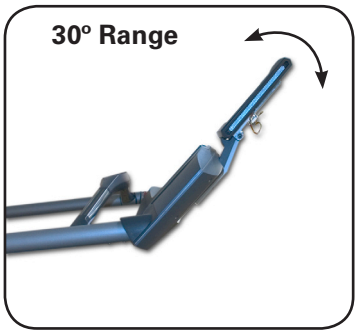


Figure C

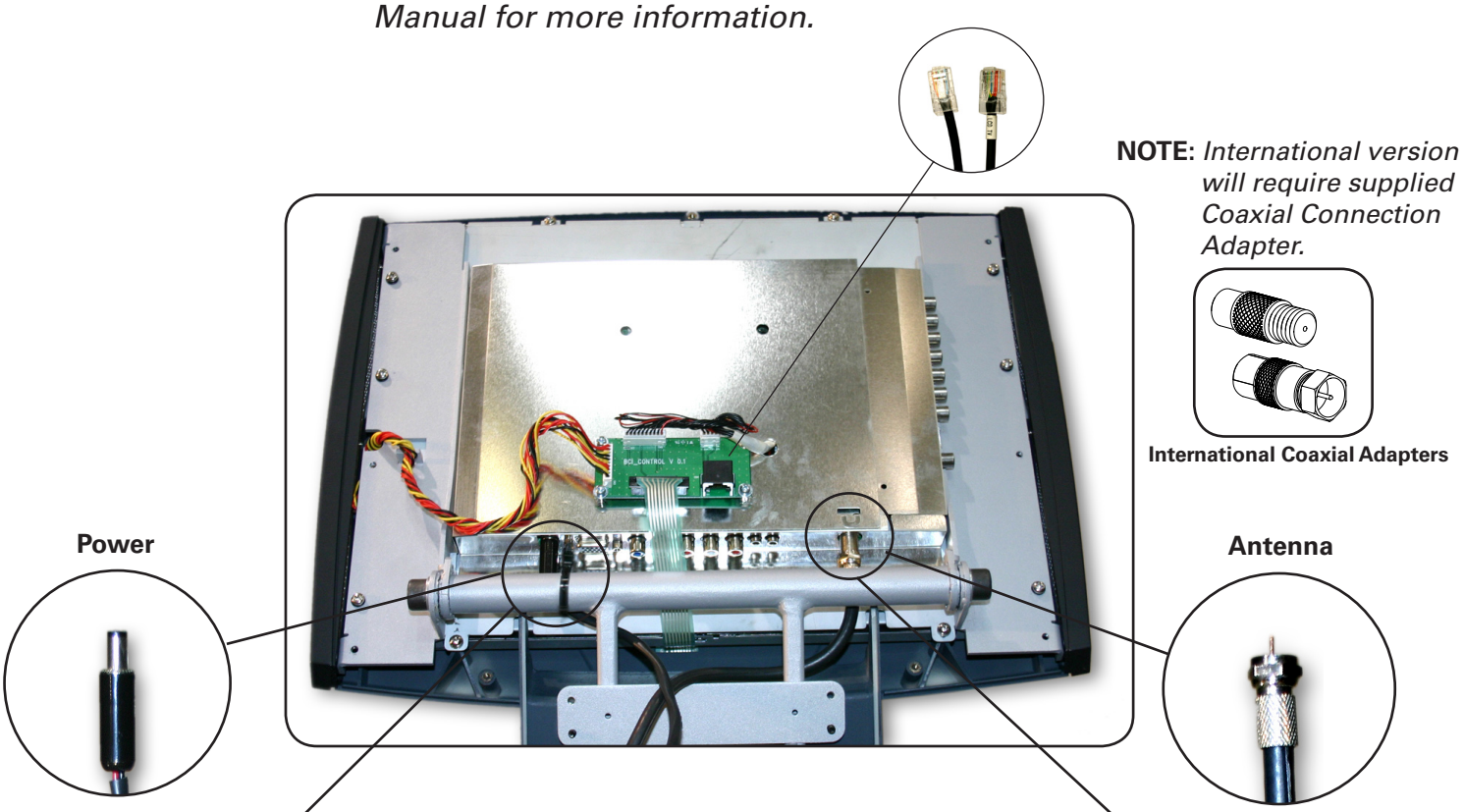
# Replacing M Series (mast mount) LCD Monitor (continued)

## Step 6 Connect Wires to Monitor

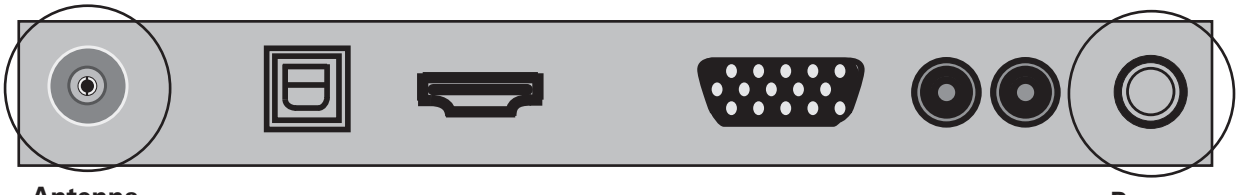
The connections shown are for Pre Wired units with Coaxial and power connections only. For alternative configurations please refer to the LCD Monitor owners manual.

**IMPORTANT!** *You must wire tie the Power Wire to the LCD Bracket to avoid accidental disconnection.*

**NOTE:** *If you are using the optional Wired Remote, attach the end labeled LCD TV at this time. Refer to Wired Remote Installation Manual for more information.*




**These connections are not used in this configuration**
For alternative configurations please refer to the LCD Monitor owners manual.




**Connections are REVERSED for the NV915 LCD Digital Monitor.**

# Replacing T Series LCD Monitor (continued)

## Step 7 Replace the Back Covers

**Tools Needed:**
Phillips Head Screwdriver

**7-1** Replace the Back Cover of the Bracket (Figure A) and the LCD Monitor (Figure B).

**NOTE:** *Use the two longer screws on the raised portion of the LCD Monitor Back cover* (Detail A).

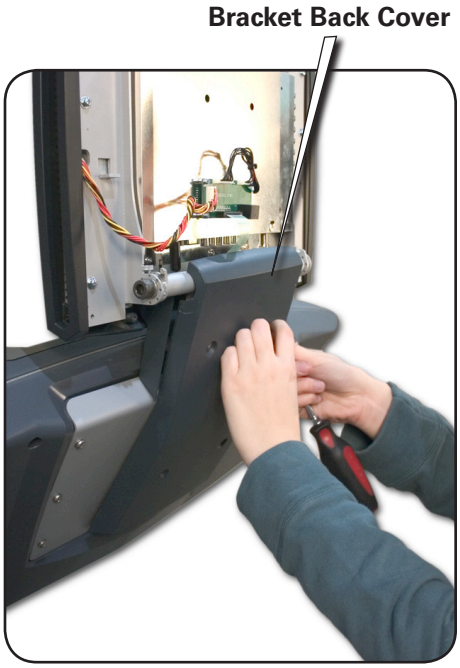
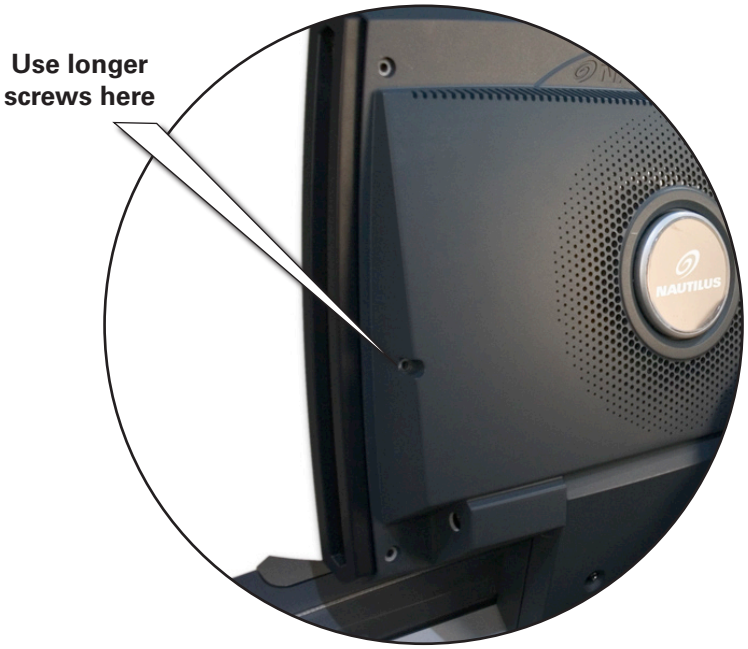



Figure A

Figure B




Detail A

# Important Contact Numbers

If you need assistance, please have both the serial number of your machine and the date of purchase available when you contact the appropriate Nautilus office listed below.

## OFFICES IN THE UNITED STATES:

E-mail: cstech@nautilus.com

- TECHNICAL/CUSTOMER SERVICE
  Nautilus, Inc.
  World Headquarters
  16400 SE Nautilus Drive
  Vancouver, Washington, USA 98683
  Phone: 800-NAUTILUS (800-628-8458)
  Fax: 877-686-6466

- CORPORATE HEADQUARTERS
  Nautilus, Inc.
  World Headquarters
  16400 SE Nautilus Drive
  Vancouver, Washington, USA 98683
  Phone: 800-NAUTILUS (800-628-8458)

## INTERNATIONAL OFFICES:

For technical assistance and a list of distributors in your area, please call or fax one of the following numbers.

- INTERNATIONAL CUSTOMER SERVICE:
  Nautilus International S.A.
  Rue Jean Prouvé 6
  1762 Givisiez / Switzerland
  Tel: + 41-26-460-77-77
  Fax: + 41-26-460-77-70
  Email: technics@nautilus.com

INTERNATIONAL OFFICES:

- SWITZERLAND OFFICE
  Nautilus Switzerland S.A.
  Tel: + 41-26-460-77-66
  Fax: + 41-26-460-77-60

- GERMANY and AUSTRIA OFFICE
  Nautilus GmbH
  Tel: +49-2204-610-27
  Fax: +49-2204-628-90

- ITALY OFFICE
  Nautilus Italy s.r.l.
  Tel: +39-031-51-10-86
  Fax: +39-031-34-24-97

- UNITED KINGDOM OFFICE
  Nautilus UK Ltd.
  Tel: +44-1908-267-345
  Fax: +44-1908-267-346

- CHINA OFFICE
  Nautilus Representative Office
  Tel: +86-21-523-707-00
  Fax: +86-21-523-707-09

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